

PRODUCTION OF LOW ALPHA-OLEFIN POLYMER

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Abstract of JP8301923

PURPOSE: To remove the chromium component of a chromium-base catalyst from a liquid reaction product formed in the reaction for forming a low α -olefin polymer in the presence of the catalyst.

CONSTITUTION: A reaction for forming a low α -olefin polymer is performed in a solvent in the presence of a catalyst comprising either a combination essentially consisting of a chromium compound (a), a nitrogenous compound (b) selected from the group consisting of amines, amides and imides and an alkylaluminum compound (c) or a combination containing these components and a halogen compound (d). The obtained liquid reaction product containing the catalyst components is treated with a reducing agent to precipitate the chromium component from the liquid. In this way, the chromium component of the catalyst can be removed at good efficiency by a simple operation.

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